

Form PTO-1449  US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	
				Art Unit	
				Examiner Name	
				Confirmation No.	
Sheet	1	of	1	Attorney Docket No.	791_160 DIV3

### U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
BT	6,278,225	08-21-2001	Nagaya et al.				
I	6,492,763	12-10-2002	Kim et al.				
I	6,495,947	12-17-2002	Kim et al.				
BT	6,104,128	08-15-2000	Fujii et al.				

### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
BT	42-20029	10/6/1967	Japan			✓	
I	50-3519	2/5/1975	Japan			✓	
I	60102779 A	6/6/1985	Japan				✓
I	07315926 A	12/5/1995	Japan				✓
I	11029357 A	2/2/1999	Japan				✓
BT	2000-244031	9/8/2000	Japan			JPO Machine Translation	✓

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

BT	Ouchi, Hiromu, et al. <i>Piezoelectric Properties of <math>Pb(Mg_{1/3}Nb_{2/3})O_3</math> - <math>PbTiO_3</math> - <math>PbZrO_3</math> Ceramics Modified with Certain Additives</i> , JOURNAL OF THE AMERICAN CERAMIC SOCIETY, November 21, 1966, vol. 49, no. 11, 577-582

Examiner:	BT, Talbot	Date Considered:	6/22/05
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known Application Number: 10/666,879 Filing Date: September 19, 2003 First Named Inventor: Toshikatsu KASHIWAYA Art Unit: 2834 Examiner Name: Not Assigned Confirmation No.: 8895 Attorney Docket No.: 791_160 DIV3	
Sheet	1	of	1		

### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

### U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
BT	AA	07-315926 A1	12-05-1995	JP			JPO Machine Translation	✓
f	AB	2001-080070 A1	03-27-2001	JP			JPO Machine Translation	✓
f	AC	44-17103 A2	07-28-1969	JP			Claim 1	
	AD	53-063597 A1	06-07-1978	JP				✓
BT	AE	3512379 B2	01-16-2004	JP			JPO Machine Translation	✓

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)


Examiner:	R. Talbot	Date Considered:	6/22/05
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### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
BT	AF	5,275,988	01/04/1994	Mori et al.				

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		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
BT	AG	1 191 611 A2	03/27/2002	EP				
	AH	0 615 294 A1	09/14/1994	EP				
	AI	60102779	06/06/1985	JP				✓
	AJ	01/93345 A1	12/06/2001	WO				
	AK	0 954 038 A1	11/03/1999	EP				
BT	AL	0 344 978	12/06/1989	EP				

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

BT	AM	Gui Zhilun, Li Longtu, Lin Hongqing and Zhang Xiaowen, "LOW TEMPERATURE SINTERING OF LEAD MAGNESIUM NICKEL NIOBATE ZIRCONATE TITANATE (PMN-PNN-PZT) PIEZOELECTRIC CERAMIC, WITH HIGH PERFORMANCES," <i>Department of Chemical Engineering, Tsinghua University, Beijing, People's Republic of China, Ferroelectrics, 1990, Vol. 101, pp. 93-99</i>

Examiner:	B. Talbot	Date Considered:	6/22/05
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				Art Unit	2834
				Examiner Name	Not Assigned
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### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
BT	AN	3,775,531	11/27/1973	Smith				

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
BT	AO	09-157018	06/17/1997	JP				
BT	AP	11-029357	02/02/1999	JP				
BT	AQ	50-003519	02/05/1975	JP				

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

BT	AR	Ouchi et al., "PIEZOELECTRIC PROPERTIES OF Pb (Mg1/3Nb2/3) 03-PbTi03-PbZr03 CERAMICS MODIFIED WITH CERTAIN ADDITIVES," <i>Journal of the American Ceramic Society, American Ceramic Society, Columbus, United States, vol. 49, no. 11, 1966, pages 577-582.</i>
BT	AS	Ouchi et al., "PIEZOELECTRIC PROPERTIES OF Pb (Mg1/3Nb2/3) 03-PbTi03-PbZr03 SOLID SOLUTION CERAMICS," <i>Journal of the American Ceramic Society, American Ceramic Society, Columbus, United States, vol. 48, no. 12, 1965, pages 630-635.</i>

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